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Attorney Docket No.: ER-090-US-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Nate Hill  
Serial No.: 09/867,046  
Filed: May 29, 2001  
Title: METAL PLASMA SURFACE MODIFIED THERMAL BARRIER CHANNEL

Art Unit:  
Examiner:

**BOX NON-FEE AMENDMENT**  
Assistant Commissioner for Patents  
Washington, D.C. 20231

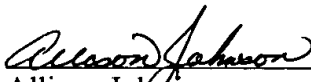
INFORMATION DISCLOSURE STATEMENT

Applicants submit the 10 references listed on the attached form PTO-1449, copies of which are enclosed. This statement is being filed within three months of the filing date of the application.

Please charge any fees or credit any over payments to Deposit Account No. 501,171.

Respectfully submitted,

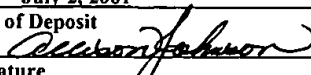
Date: July 2, 2001

  
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**CERTIFICATE OF MAILING BY FIRST CLASS MAIL**

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

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|  |                             |                                     |                               |
|--|-----------------------------|-------------------------------------|-------------------------------|
| Substitute form PTO-1449<br>(Modified)           | U.S. Department of Commerce | Attorney Docket No.<br>ER-090-US-01 | Application No.<br>09/867,046 |
| INFORMATION DISCLOSURE STATEMENT BY<br>APPLICANT |                             | Applicant<br>Nate Hill              |                               |
|  |                             | Filing Date<br>May 29, 2001         | Group Art Unit                |
| 37 C.F.R. §1.98(b))                              |                             |                                     |                               |

## U.S. PATENT DOCUMENTS

| Examiner<br>Initials | I.D. | Patent Number | Issue Date | Patentee             | Class | Sub<br>Class | Filing Date if<br>Appropriate |
|----------------------|------|---------------|------------|----------------------|-------|--------------|-------------------------------|
|                      | AA   | 4,057,944     | 11/15/77   | Wyatt, Jr. et<br>al. | 52    | 309.11       |                               |
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|                      | AH   |               |            |                      |       |              |                               |
|                      | AI   |               |            |                      |       |              |                               |
|                      | AJ   |               |            |                      |       |              |                               |

FOREIGN PATENT DOCUMENTS OR PUBLISHED FOREIGN PATENT  
APPLICATIONS

| Examiner<br>Initials | ID | Document<br>Number | Publication<br>Date | Country or<br>Patent Office | Class | Sub<br>Class | Translation |    |
|----------------------|----|--------------------|---------------------|-----------------------------|-------|--------------|-------------|----|
|                      |    |                    |                     |                             |       |              | Yes         | No |
|                      | AL |                    |                     |                             |       |              |             |    |
|                      | AM |                    |                     |                             |       |              |             |    |
|                      | AN |                    |                     |                             |       |              |             |    |

OTHER DOCUMENTS (INCLUDE AUTHOR, TITLE, DATE AND PLACE OF  
PUBLICATION)

| Examiner<br>Initials | ID | Document   |
|----------------------|----|--|
|                      | AP | Herman, H., "Plasma-sprayed Coatings," <i>Scientific American</i> , pages 112-117 (September, 1988).   |
|                      | AQ | Pike, et al., "Plasma-Sprayed Coatings As Adherend Surface Pretreatments," <i>Int. J. Adhesion and Adhesives</i> , Vol. 12, No. 4, October 1992 (pages 227-231). |
|                      | AR | "On the Surface," Vol. I-IV, product literature from Metro-Line Industries, Inc. (4 pages).  |

|   |                 |
|---|-----------------|
| Examiner Signature  | Date Considered |
| EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

